

# Service Manual



## Hi-Fi Speaker System SB-G600 [PC], [XA]

### Areas

- \* [PC] is available in European Audio Club.
- \* [XA] is available in Southeast Asia, Oceania, Africa, Middle Near East and Central South America.

### Specifications (Specifications are subject to change without notice for further improvement)

|                                     |                                                                                                        |
|-------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Type:</b>                        | 3 way 3 speaker system                                                                                 |
| <b>Speakers:</b>                    | <b>Woofer:</b> 35 cm cone type<br><b>Midrange:</b> 12 cm cone type<br><b>Tweeter:</b> 6.5 cm cone type |
| <b>Impedance:</b>                   | 8 ohms                                                                                                 |
| <b>Input Power:</b>                 | 150 W, Music                                                                                           |
| <b>Output Sound Pressure Level:</b> | 96 dB/W (1.0 m)                                                                                        |
| <b>Crossover Frequency:</b>         | 300 Hz, 3,000 Hz                                                                                       |
| <b>Frequency Range:</b>             | 40 Hz ~ 20 kHz (−20 dB)                                                                                |
| <b>Dimensions:</b>                  | 39.6(W) x 60.0(H) x 30.5(D) cm                                                                         |
| <b>Weight:</b>                      | 12 kg                                                                                                  |

### Especificaciones (Estas especificaciones están sujetas a cualquier cambio sin previo aviso.)

|                                             |                                                                                                                                  |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Tipo:</b>                                | Sistema con 3 altoparlantes                                                                                                      |
| <b>Altoparlantes:</b>                       | <b>"Woofer":</b> tipo cónico, de 35 cm<br><b>"Gama media":</b> tipo cónico, de 12 cm<br><b>"Tweeter":</b> tipo cónico, de 6.5 cm |
| <b>Impedancia:</b>                          | 8 ohmios                                                                                                                         |
| <b>Capacidad de potencia:</b>               | 150 vatios, música                                                                                                               |
| <b>Nivel de presión acústica de salida:</b> | 96 dB/W (1.0 m)                                                                                                                  |
| <b>Frecuencia de cruce:</b>                 | 300 Hz, 3,000 Hz                                                                                                                 |
| <b>Alcance de frecuencia:</b>               | 40 Hz ~ 20 kHz (−20 dB)                                                                                                          |
| <b>Dimensiones:</b>                         | 39.6(ancho) x 60.0(alto) x 30.5(prof.) cm                                                                                        |
| <b>Peso:</b>                                | 12 kg                                                                                                                            |

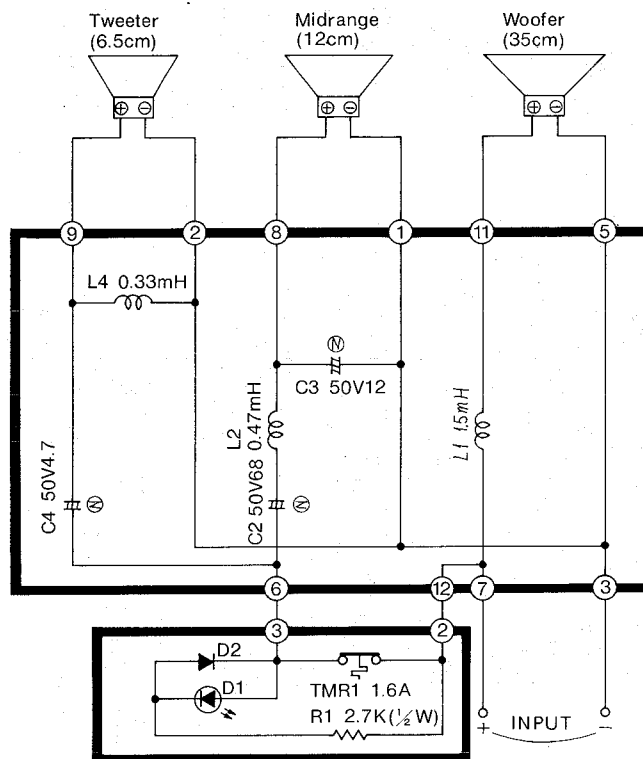
# Technics

**Panasonic Tokyo**  
**Matsushita Electric Industrial Co., Ltd.**  
 1-2, 1-chome, Shibakoen, Minato-ku, Tokyo 105 Japan

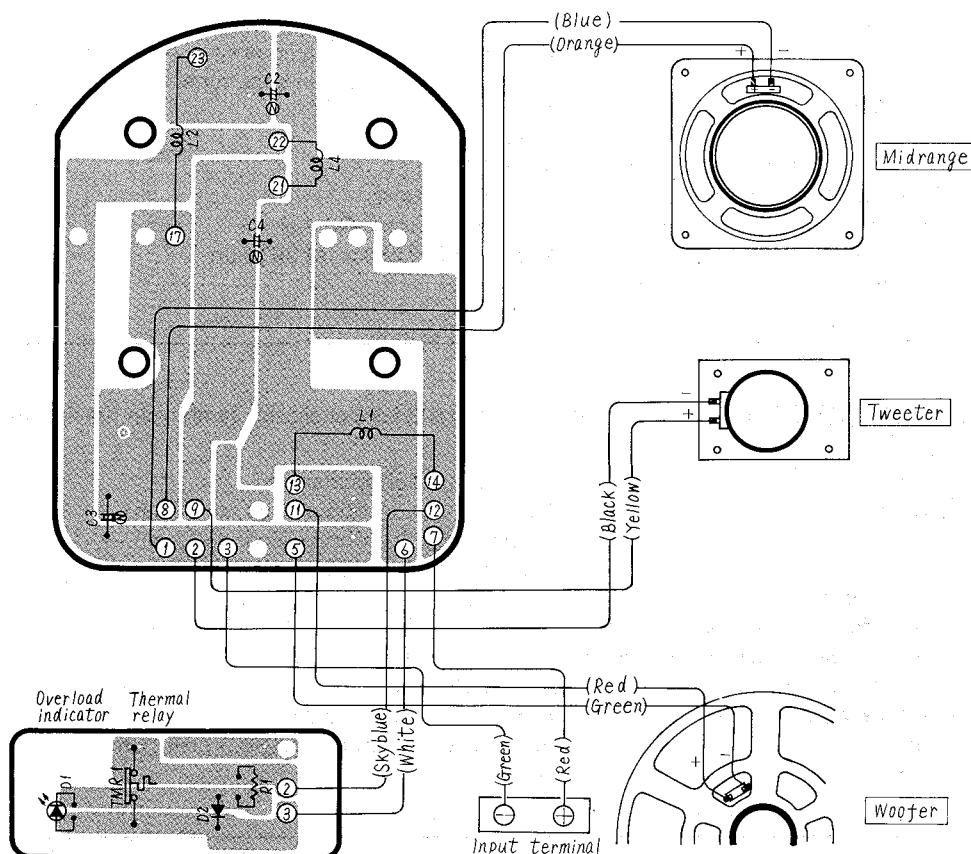
**Matsushita Electric Trading Co., Ltd.**  
 P.O. Box 288, Central Osaka Japan

## SCHEMATIC DIAGRAM

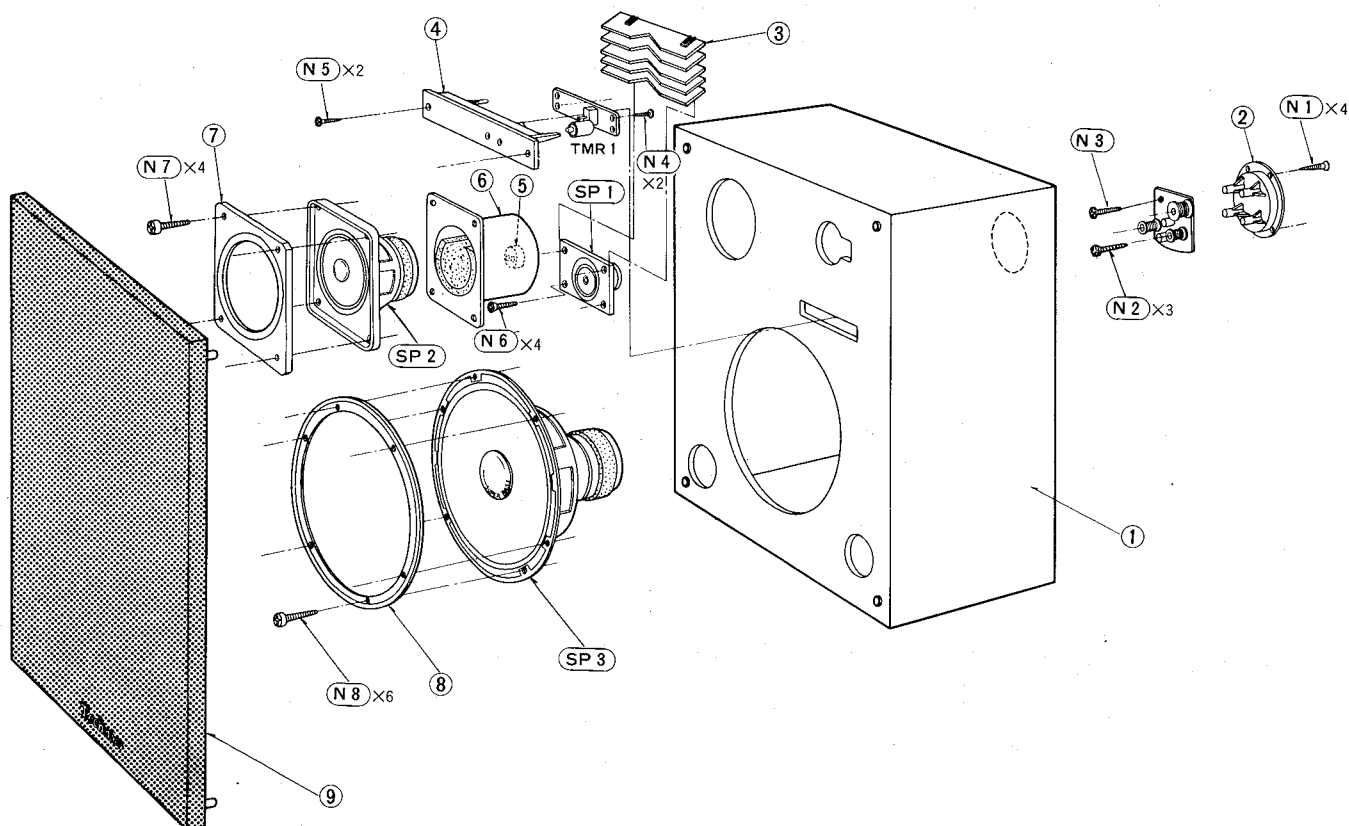
(This schematic diagram may be modified at any time with the development of new technology)



## CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM



## EXPLODED VIEW



## REPLACEMENT PARTS LIST

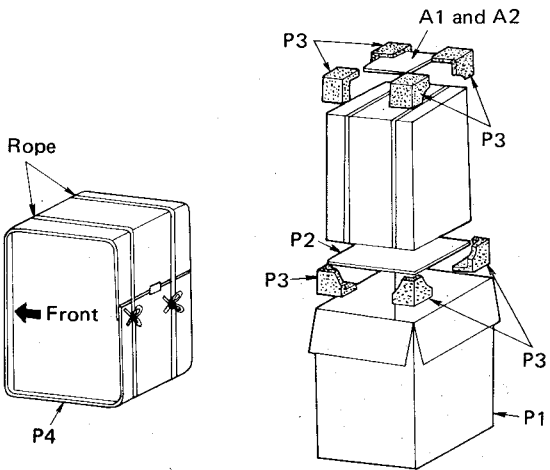
**Notes:** 1. Part numbers are indicated on most mechanical parts. 2. Bracketed indications in Ref. No. columns specify the area.  
Please use this part number for parts orders. Parts without these indications can be used for all areas.

| Ref. No.          | Part No.     | Part Name & Description           |
|-------------------|--------------|-----------------------------------|
| <b>SPEAKER</b>    |              |                                   |
| SP1               | EAS10PH33S   | Tweeter                           |
| SP2               | EAS12PM205S  | Midrange                          |
| SP3               | SASS33PL01-T | Woofer                            |
| <b>DIODES</b>     |              |                                   |
| D1                | LN21CP       | Light Emitting Diode              |
| D2                | MA162A       | Diode                             |
| <b>COILS</b>      |              |                                   |
| L1                | SLCSE152JU   | Coil 1.5mH                        |
| L2                | SLCSC471KU   | Coil 0.47mH                       |
| L4                | SLCSC331KU   | Coil 0.33mH                       |
| <b>RESISTER</b>   |              |                                   |
| R1                | ERD50FJ272   | Resister, Carbon 1/2W 2.7kΩ ±5%   |
| <b>CAPASITORS</b> |              |                                   |
| C2                | ECEA50Y68K   | Electrolytic Capacitor, 50V 68μF  |
| C3                | ECEA50Y12K   | Electrolytic Capacitor, 50V 12μF  |
| C4                | ECEA50Y4R7K  | Electrolytic Capacitor, 50V 4.7μF |

| Ref. No              | Part No.     | Part Name & Description      |
|----------------------|--------------|------------------------------|
| <b>BREAKER</b>       |              |                              |
| TMR1                 | SSBS16AB02-1 | Breaker, Thermal Relay, 1.6A |
| <b>CABINET PARTS</b> |              |                              |
| 1 [PC] only          | SKABG600M    | Cabinet                      |
| 1 [XA] only          | SKABG600X    | Cabinet                      |
| 2                    | SWTBG600M    | Terminal Ass'y               |
| 3                    | SYES23       | Diffuser, Tweeter            |
| 4                    | SGES73       | Panel, Attenuator            |
| 5                    | SHG1435      | Bushing, Midrange            |
| 6                    | SUVS6        | Cover, Midrange              |
| 7                    | SGES72       | Panel, Midrange              |
| 8                    | SGES66       | Ornament, Woofer             |
| 9                    | SYBS71       | Grille                       |
| <b>SCREWS</b>        |              |                              |
| N1                   | XMS31+D13FZ  | Screw, Terminal              |
| N2                   | XTB4+35BFN   | Screw                        |
| N3                   | XTB4+16BFN   | Screw                        |
| N4                   | XTB3+8B      | Screw                        |
| N5                   | XMS31+D20FZ  | Screw                        |
| N6                   | XTB4+20BFZ   | Screw, Tweeter               |
| N7                   | SNES9006FJ   | Screw, Midrange              |
| N8                   | SNES9003-2FZ | Screw, Woofer                |

## PACKINGS

| Ref. No            | Part No.  | Part Name & Description |
|--------------------|-----------|-------------------------|
| <b>ACCESSORIES</b> |           |                         |
| A1 (XA)            | SQFS160   | Instructions Book       |
| A1 (PC)            | SQFS163   | Instructions Book       |
| A2                 | WHCA400   | Cord, Speaker           |
| <b>PACKING</b>     |           |                         |
| P1 (XA)            | SPGS104-2 | Carton Box              |
| P1 (PC)            | SPGS104-3 | Carton Box              |
| P2                 | SPSS6126  | Pad, Bottom             |
| P3                 | SPSS9014  | Pad, Corner             |
| P4                 | SPJS2-1   | Polyethylene Sheet      |



## HOW TO REMOVE THE TWEETER

Remove the diffuser by sliding it up as shown in Fig. 1.  
Then the speaker can be removed.

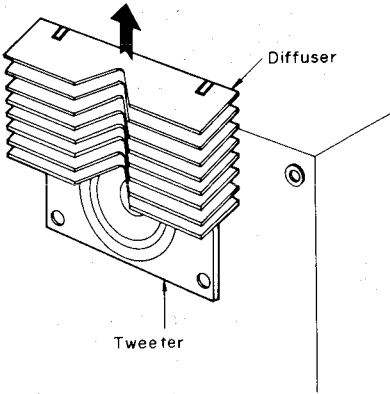


Fig. 1